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# RAW SEQUENCE LISTING

## PATENT APPLICATION US/09/525,867

 02CD  
 H/C  
 04/03/2000  
 TIME: 11:06:42

Input Set: I525867.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

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1  <110> APPLICANT: YUE, Henry
2      LAL, Preeti
3      TANG, Y. Tom
4      LU, Dyung Aina M.
5      AU-YOUNG, Janice
6  <120> TITLE OF INVENTION: MITOCHONDRIAL PROTEINS
7  <130> FILE REFERENCE: PF-0678 US
8  <140> CURRENT APPLICATION NUMBER: US/09/525,867
9  <141> CURRENT FILING DATE: 2000-03-15
10 <150> EARLIER APPLICATION NUMBER: 60/124,655
11 <151> EARLIER FILING DATE: 1999-03-16
12 <160> NUMBER OF SEQ ID NOS: 16
13 <170> SOFTWARE: PERL Program
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16 <212> TYPE: PRT
17 <213> ORGANISM: Homo sapiens
18 <220> FEATURE:
19 <221> NAME/KEY: misc_feature
20 <223> OTHER INFORMATION: Incyte ID No: 1676225CD1
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25             20             25             30
26     His Gln Ser Val Ala Thr Asp Gly Pro Ser Ser Thr Gln Pro Ala
27             35             40             45
28     Leu Pro Lys Ala Arg Ala Val Ala Pro Lys Pro Ser Ser Arg Gly
29             50             55             60
30     Glu Tyr Val Val Ala Lys Leu Asp Asp Leu Val Asn Trp Ala Arg
31             65             70             75
32     Arg Ser Ser Leu Trp Pro Met Thr Phe Gly Leu Ala Cys Cys Ala
33             80             85             90
34     Val Glu Met Met His Met Ala Ala Pro Arg Tyr Asp Met Asp Arg
35             95             100            105
36     Phe Gly Val Val Phe Arg Ala Ser Pro Arg Gln Ser Asp Val Met
37             110            115            120
38     Ile Val Ala Gly Thr Leu Thr Asn Lys Met Ala Pro Ala Leu Arg
39             125            130            135
40     Lys Val Tyr Asp Gln Met Pro Glu Pro Arg Tyr Val Val Ser Met
41             140            145            150
42     Gly Ser Cys Ala Asn Gly Gly Gly Tyr Tyr His Tyr Ser Tyr Ser
43             155            160            165
44     Val Val Arg Gly Cys Asp Arg Ile Val Pro Val Asp Ile Tyr Ile

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45					170				175					180		
46		Pro	Gly	Cys	Pro	Pro	Thr	Ala	Glu	Ala	Leu	Leu	Tyr	Gly	Ile	Leu
47						185					190					195
48		Gln	Leu	Gln	Arg	Lys	Ile	Lys	Arg	Glu	Arg	Arg	Leu	Gln	Ile	Trp
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61		Ile	Leu	Ser	Gln	Pro	Leu	Met	Tyr	Val	Lys	Val	Leu	Ile	Gln	Val
62						20					25					30
63		Gly	Tyr	Glu	Pro	Leu	Pro	Pro	Thr	Ile	Gly	Arg	Asn	Ile	Phe	Gly
64						35					40					45
65		Arg	Gln	Val	Cys	Gln	Leu	Pro	Gly	Leu	Phe	Ser	Tyr	Ala	Gln	His
66						50					55					60
67		Ile	Ala	Ser	Ile	Asp	Gly	Arg	Arg	Gly	Leu	Phe	Thr	Gly	Leu	Thr
68						65					70					75
69		Pro	Arg	Leu	Cys	Ser	Gly	Val	Leu	Gly	Thr	Val	Val	His	Gly	Lys
70						80					85					90
71		Val	Leu	Gln	His	Tyr	Gln	Glu	Ser	Asp	Lys	Gly	Glu	Glu	Leu	Gly
72						95					100					105
73		Pro	Gly	Asn	Val	Gln	Lys	Glu	Val	Ser	Ser	Ser	Phe	Asp	His	Val
74						110					115					120
75		Ile	Lys	Glu	Thr	Thr	Arg	Glu	Met	Ile	Ala	Arg	Ser	Ala	Ala	Thr
76						125					130					135
77		Leu	Ile	Thr	His	Pro	Phe	His	Val	Ile	Thr	Leu	Arg	Ser	Met	Val
78						140					145					150
79		Gln	Phe	Ile	Gly	Arg	Glu	Ser	Lys	Tyr	Cys	Gly	Leu	Cys	Asp	Ser
80						155					160					

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95      Met Leu Gln Lys Glu Gly Asn Met Ser Arg Gly Asn Ser Leu Phe
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99      Met Leu Ile
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111              20              25              30
112      Met Leu Pro Glu Gly Leu Phe Pro Glu His Leu Ile Asp Val Leu
113              35              40              45
114      Arg Arg Glu Leu Ala Leu Glu Cys Asp Tyr Gln Arg Glu Ala Ala
115              50              55              60
116      Cys Ala Arg Lys Phe Arg Asp Leu Leu Lys Gly His Pro Phe Phe
117              65              70              75
118      Tyr Val Pro Glu Ile Val Asp Glu Leu Cys Ser Pro His Val Leu
119              80              85              90
120      Thr Thr Glu Leu Val Ser Gly Phe Pro Leu Asp Gln Ala Glu Gly
121              95              100             105
122      Leu Ser Gln Glu Ile Arg Asn Glu Ile Cys Tyr Asn Ile Leu Val
123              110             115             120
124      Leu Cys Leu Arg Glu Leu Phe Glu Phe His Phe Met Gln Thr Asp
125              125             130             135
126      Pro Asn Trp Ser Asn Phe Phe Tyr Asp Pro Gln Gln His Lys Val
127              140             145             150
128      Ala Leu Leu Asp Phe Gly Ala Thr Arg Glu Tyr Asp Arg Ser Phe
129              155             160             165
130      Thr Asp Leu Tyr Ile Gln Ile Ile Arg Ala Ala Ala Asp Arg Asp
131              170             175             180
132      Arg Glu Thr Val Arg Ala Lys Ser Ile Glu Met Lys Phe Leu Thr
133              185             190             195
134      Gly Tyr Glu Val Lys Val Met Glu Asp Ala His Leu Asp Ala Ile
135              200             205             210
136      Leu Ile Leu Gly Glu Ala Phe Ala Ser Asp Glu Pro Phe Asp Phe
137              215             220             225
138      Gly Thr Gln Ser Thr Thr Glu Lys Ile His Asn Leu Ile Pro Val
139              230             235             240
140      Met Leu Arg His Arg Leu Val Pro Pro Pro Glu Glu Thr Tyr Ser
141              245             250             255
142      Leu His Arg Lys Met Gly Gly Ser Phe Leu Ile Cys Ser Lys Leu
143              260             265             270
144      Lys Ala Arg Phe Pro Cys Lys Ala Met Phe Glu Glu Ala Tyr Ser

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146      Asn Tyr Cys Lys Arg Gln Ala Gln Gln
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150 <212> TYPE: PRT
151 <213> ORGANISM: Homo sapiens
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154 <223> OTHER INFORMATION: Incyte ID No: 3126833CD1
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159                               20                               25                               30
160      Ala Ser Arg Leu Leu Leu Leu Pro Arg Val Leu Leu Thr Met Ala
161                               35                               40                               45
162      Ser Gly Ser Pro Pro Thr Gln Pro Ser Pro Ala Ser Asp Ser Gly
163                               50                               55                               60
164      Ser Gly Tyr Val Pro Gly Ser Val Ser Ala Ala Phe Val Thr Cys
165                               65                               70                               75
166      Pro Asn Glu Lys Val Ala Lys Glu Ile Ala Arg Ala Val Val Glu
167                               80                               85                               90
168      Lys Arg Leu Ala Ala Cys Val Asn Leu Ile Pro Gln Ile Thr Ser
169                               95                               100                              105
170      Ile Tyr Glu Trp Lys Gly Lys Ile Glu Glu Asp Ser Glu Val Leu
171                               110                              115                              120
172      Met Met Ile Lys Thr Gln Ser Ser Leu Val Pro Ala Leu Thr Asp
173                               125                              130                              135
174      Phe Val Arg Ser Val His Pro Tyr Glu Val Ala Glu Val Ile Ala
175                               140                              145                              150
176      Leu Pro Val Glu Gln Gly Asn Phe Pro Tyr Leu Gln Trp Val Arg
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183 <213> ORGANISM: Homo sapiens
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191                               20                               25                               30
192      Ile Arg Val Ser Val Tyr Pro Phe Thr Leu Ile Arg Thr Arg Leu
193                               35                               40                               45
194      Gln Val Gln Lys Gly Lys Ser Leu Tyr His Gly Thr Phe Asp Ala

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195		50		55		60
196	Phe Ile Lys Ile Leu Arg Ala Asp Gly Ile Thr Gly Leu Tyr Arg					
197		65		70		75
198	Gly Phe Leu Val Asn Thr Phe Thr Leu Ile Ser Gly Gln Cys Tyr					
199		80		85		90
200	Val Thr Thr Tyr Glu Leu Thr Arg Lys Phe Val Ala Asp Tyr Ser					
201		95		100		105
202	Gln Ser Asn Thr Val Lys Ser Leu Val Ala Gly Gly Ser Ala Ser					
203		110		115		120
204	Leu Val Ala Gln Ser Ile Thr Val Pro Ile Asp Val Val Ser Gln					
205		125		130		135
206	His Leu Met Met Gln Arg Lys Gly Glu Lys Met Gly Arg Phe Gln					
207		140		145		150
208	Val Arg Gly Asn Ser Glu Gly Gln Gly Val Val Ala Phe Gly Gln					
209		155		160		165
210	Thr Lys Asp Ile Ile Arg Gln Ile Leu Gln Ala Asp Gly Leu Arg					
211		170		175		180
212	Gly Phe Tyr Arg Gly Tyr Val Ala Ser Leu Leu Thr Tyr Ile Pro					
213		185		190		195
214	Asn Ser Ala Val Trp Trp Pro Phe Tyr His Phe Tyr Ala Glu Gln					
215		200		205		210
216	Leu Ser Tyr Leu Cys Pro Lys Glu Cys Pro His Ile Val Phe Gln					
217		215		220		225
218	Ala Val Ser Gly Pro Leu Ala Ala Ala Thr Ala Ser Ile Leu Thr					
219		230		235		240
220	Asn Pro Met Asp Val Ile Arg Thr Arg Val Gln Val Glu Gly Lys					
221		245		250		255
222	Asn Ser Ile Ile Leu Thr Phe Arg Gln Leu Met Ala Glu Glu Gly					
223		260		265		270
224	Pro Trp Gly Leu Met Lys Gly Leu Ser Ala Arg Ile Ile Ser Ala					
225		275		280		285
226	Thr Pro Ser Thr Ile Val Ile Val Val Gly Tyr Glu Ser Leu Lys					
227		290		295		300
228	Lys Leu Ser Leu Arg Pro Glu Leu Val Asp Ser Arg His Trp					
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239	1 5 10 15					
240	Leu Gly Gln Thr Val Gly Trp Pro Cys Gly Ala Leu Gly Pro Gly					
241	20 25 30					
242	Pro His Arg Trp Gly Pro Cys Gly Gly Ser Trp Ala Gln Lys Phe					
243	35 40 45					
244	Tyr Gln Asp Gly Pro Gly Arg Gly Leu Gly Glu Glu Asp Ile Arg					

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VERIFICATION SUMMARY  
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Line ? Error/Warning

Original Text

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